

# TDJ-5500P12B

## Parabolic Antenna

### Technical Sheet



#### Applications

- 5.5GHz WMAN System
- Support IEEE802.11.a
- Point to Point System
- Wireless Bridges

#### Features

- High Gain, High F/B Ratio
- Aluminum Die Cast Reflector
- UV Stable Coat Finish
- Compatible with Vertical or Horizontal Polarization
- Supplied with Down-tilt Bracket Kits
- Can be Installed on Communication Tower

#### Specifications

|                  |                        |
|------------------|------------------------|
| Model            | TDJ-5500P12B           |
| Freq.Range-MHz   | 5470~5725              |
| Bandwidth-MHz    | 255                    |
| Gain-dBi         | 34                     |
| Beamwidth-°      | E:3 H:3                |
| F/B Ratio-dB     | ≥40                    |
| VSWR             | ≤1.5                   |
| Impedance-Ω      | 50                     |
| Polarization     | Vertical or Horizontal |
| Max.Power-W      | 100                    |
| Connector        | N Female               |
| Dimension-m      | φ 1.2                  |
| Weight-Kg        | 28.5                   |
| Pole Diameter-mm | φ 90-150               |

#### Mounting and Adjusting

1. Ensure of the installation position and polarization first before install. Then follow steps below.
2. Mounting Steps.
  2. 1 Install the mounting pole.
  2. 2 Join the bracket with the reflector.
  2. 3 Install the feed before mast the antenna to the mounting pole. Insert the tail of the feed into the middle of the dish and adjust the polarization direction according to the polarization arrow.
  2. 4 Join the antenna with the mounting pole by using the U bolt or plate.
  2. 5 Install the azimuth angle adjusting pole.
3. Adjusting Steps
  3. 1 Loosen the screw of the pitching adjusting pole, use the pitching adjusting pole to debug the pitching angle.
  3. 2 Loosen the U bolts of mounting pole, use the azimuth adjusting pole to debug the azimuth angle.
  3. 3 Stop Adjusting when receiving the maximum signal, then fasten all the fasteners.
4. Remarks
  4. 1 Please protect the antenna and the feed from bumping during portage.
  4. 2 Must use the waterproof tapes on the joint for cables and wave-guides.
  4. 3 After debugging the antenna, please screw down all the firmware to ensure of the transmitting performance.
  4. 4 Make some change according to the practical situation.



